

CLAIMS

What is claimed is:

1. A safe knife sheath comprising a sheath body and a blade support; the blade support is mounted inside the sheath body movable in a sliding motion; the front part of the sheath body has a push button; the lower part of the push button is connected to a positioning element; the lower part of the blade support has a positioning groove corresponding to the positioning element; inside the sheath body a positioning channel is disposed on the top; on the top of the blade support a positioning lobe corresponding to the positioning channel is disposed; the top of the push button is connected to one end of a first reset spring, and the other end of the first reset spring is fixed in the upper end of the sheath body; in the back of the blade support a trapezoidal piece is disposed; on the lower side of the trapezoidal piece a second reset spring is disposed; one end of the second reset spring is fixed in the lower end of the sheath body and the other end is fixed on the inner side of the sheath body.
2. A safe knife sheath as in claim 1, wherein the lower part of the positioning element is in a wedge-like shape.
3. A safe knife sheath as in claim 1, wherein the positioning groove comprises a locating piece and a guiding piece with a wedge-like surface, and the locating piece is disposed in the lower part of the blade support in position corresponding to the opening of the sheath body, and the guiding piece with the wedge-like surface is disposed in the middle lower part of the blade support.
4. A safe knife sheath as in claim 1, wherein a semi-circular notch is disposed in the rear part of the sheath body, and the semi-circular notch is disposed in the middle of the opening of the sheath body.

5. A safe knife sheath as in claim 1, wherein a plurality of holes is perforated in the front part of the sheath body.

6. A safe knife sheath as in claim 5, wherein the plurality of holes is elongated holes.